

 <p>– Protocol</p>		Nr.: Jan. 14, 2020, 14:00 – 16:00																																												
<b>Machine Meeting (MM)</b>		<b>Chair:</b> M. Bai																																												
<b>Distribution</b>	Machine coordinators and their deputies, departments leaders accelerator, participants, Management board																																													
<b>Participants</b>																																														
	<p><u>Attendees</u></p> <table border="1" data-bbox="395 521 890 1189"> <tr> <td><input checked="" type="checkbox"/> Stephan Reimann</td> <td><input type="checkbox"/> Markus Vossberg</td> </tr> <tr> <td><input checked="" type="checkbox"/> Ralph Hollinger</td> <td><input type="checkbox"/> Klaus Tinschert</td> </tr> <tr> <td></td> <td><input type="checkbox"/> Fabio Maimone</td> </tr> <tr> <td><input checked="" type="checkbox"/> Lars Groening</td> <td><input type="checkbox"/> Sascha Mickat</td> </tr> <tr> <td></td> <td><input type="checkbox"/> M. Kaiser</td> </tr> <tr> <td><input checked="" type="checkbox"/> Gerald Schreiber</td> <td><input type="checkbox"/> Bernhard Schlitt</td> </tr> <tr> <td></td> <td><input type="checkbox"/> A. Schnase</td> </tr> <tr> <td><input checked="" type="checkbox"/> Markus Steck</td> <td><input type="checkbox"/> Danyal Winters</td> </tr> <tr> <td></td> <td><input type="checkbox"/> Sergey Litvinov</td> </tr> <tr> <td><input checked="" type="checkbox"/> Frank Herfurth</td> <td><input type="checkbox"/> Zoran Andelkovic</td> </tr> <tr> <td><input type="checkbox"/> Christina Dimopoulou</td> <td><input type="checkbox"/> Jon Roßbach</td> </tr> <tr> <td></td> <td><input type="checkbox"/> Regina Heß</td> </tr> <tr> <td><input checked="" type="checkbox"/> Winfried Barth</td> <td><input type="checkbox"/> S. Yarmychev</td> </tr> <tr> <td></td> <td><input checked="" type="checkbox"/> Hartmut Vormann</td> </tr> <tr> <td><input type="checkbox"/> Gertrud Walter</td> <td><input type="checkbox"/> Kalliopi Dermati</td> </tr> <tr> <td></td> <td><input type="checkbox"/> Markus Romig</td> </tr> <tr> <td></td> <td><input type="checkbox"/> Stephan Teich</td> </tr> <tr> <td><input type="checkbox"/> Udo Weinrich</td> <td></td> </tr> <tr> <td><input checked="" type="checkbox"/> D. Severin</td> <td></td> </tr> <tr> <td><input checked="" type="checkbox"/> M. Sapinski</td> <td><input type="checkbox"/> C. Hessler</td> </tr> <tr> <td><input type="checkbox"/> Peter Spiller</td> <td><input type="checkbox"/> Jens Stadlmann</td> </tr> <tr> <td><input type="checkbox"/> Markus Schwickert</td> <td><input checked="" type="checkbox"/> Andreas Krämer</td> </tr> </table> <p style="text-align: right;">*Types: A = Action, D = Decision, I = Information</p>	<input checked="" type="checkbox"/> Stephan Reimann	<input type="checkbox"/> Markus Vossberg	<input checked="" type="checkbox"/> Ralph Hollinger	<input type="checkbox"/> Klaus Tinschert		<input type="checkbox"/> Fabio Maimone	<input checked="" type="checkbox"/> Lars Groening	<input type="checkbox"/> Sascha Mickat		<input type="checkbox"/> M. Kaiser	<input checked="" type="checkbox"/> Gerald Schreiber	<input type="checkbox"/> Bernhard Schlitt		<input type="checkbox"/> A. Schnase	<input checked="" type="checkbox"/> Markus Steck	<input type="checkbox"/> Danyal Winters		<input type="checkbox"/> Sergey Litvinov	<input checked="" type="checkbox"/> Frank Herfurth	<input type="checkbox"/> Zoran Andelkovic	<input type="checkbox"/> Christina Dimopoulou	<input type="checkbox"/> Jon Roßbach		<input type="checkbox"/> Regina Heß	<input checked="" type="checkbox"/> Winfried Barth	<input type="checkbox"/> S. Yarmychev		<input checked="" type="checkbox"/> Hartmut Vormann	<input type="checkbox"/> Gertrud Walter	<input type="checkbox"/> Kalliopi Dermati		<input type="checkbox"/> Markus Romig		<input type="checkbox"/> Stephan Teich	<input type="checkbox"/> Udo Weinrich		<input checked="" type="checkbox"/> D. Severin		<input checked="" type="checkbox"/> M. Sapinski	<input type="checkbox"/> C. Hessler	<input type="checkbox"/> Peter Spiller	<input type="checkbox"/> Jens Stadlmann	<input type="checkbox"/> Markus Schwickert	<input checked="" type="checkbox"/> Andreas Krämer	
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<b>Important:</b> <b>I = Information</b> <b>D = Decision</b> <b>AI = Action Item</b>			
<b>1</b>	<b>Agenda</b>		
	1. Approval of meeting minutes 2. Follow-up of action items 3. Status update		
<b>2</b>	<b>Update</b>		
	<p><b>Physics beam time coordinators:</b>            The usual planned speed talk from representatives of each scheduled experiments at Mittagsitzung will be take place at the coming Machine Meeting Jan 24. (~30mins)</p> <p><b>Operations status:</b> <a href="http://indico.gsi.de/event/9880/contribution/4">http://indico.gsi.de/event/9880/contribution/4</a>  <b>Action item</b> "update of the beam time planning to reflect actual situation" from last week will be done tomorrow            Preparation work on starting up beam time is in good progress. At the moment, expect all on track.</p> <p>From Ralph: HLI is still in construction status. Not yet ready for beam time. And he expressed his concerns regarding the planned proton test on Jan 27. Gerald confirmed that LINAC RF is planning to carry out the HLI test from Jan 27 to Jan 31. They don't plan to have protons in post-striper</p> <p><b>Action:</b> Brief summary of the goals of this proton test (at the moment, it is known to see whether we can reach 1e8 proton intensity for HADES): DS/SR</p> <p><b>VAC report:</b>            SIS18 extraction bakeout starts tomorrow            TE5 bake out will start soon after the ongoing installation (FRS, etc) is finished</p> <p><b>Ion Source status:</b> <a href="https://indico.gsi.de/event/9880/contribution/10">https://indico.gsi.de/event/9880/contribution/10</a>  <b>Action:</b> 1) update of the project status including budget spending work in progress            2) BH1 pump station project status (Roland Reich/Ralph Hollinger)</p>	DS SR AK RH	

	<p>no response from GAT yet. <b>Risk:</b> contaminated water goes beyond secured area.  Mei asked Ralph to followup his email with GAT and have her cc-ed</p> <p>Ralph reported how Terminal West project has been handled that could demotivate his colleagues. This project is known as PRIDE and is one of the FAIR projects. The leader of workpackage Pride is Dr. Adonin, The workpackage PRIDE is part of the subproject COMMs which is led by Mr. Menke. The FAIR project leader is Mr. Blaurock. The project PRIDE is budgeted about 2million euros, and has so far been not much progressing due to its low priority status. Nevertheless, further clarification is needed with the subproject leader w.r.t. how to proceed.</p> <p><b>UNILAC status:</b> <a href="https://indico.gsi.de/event/9880/contribution/9">https://indico.gsi.de/event/9880/contribution/9</a>  The latest HSI RFQ RF measurement was presented and discussed. Regarding the reliability of operating the HSI RFQ at 7.2v, Gerald confirmed that no issues as long as the reflective power stays below 50kWatt  Winfried asked about the situation regarding the repairs of all water leakages. Hartmut confirmed that all A1 leakages were fixed  <b>Actions:</b> Clarify the situation of A1 and A3 repairs</p> <p><b>SIS18 status:</b> No presence  No major issues from OPE and others</p> <p><b>HEST status:</b>  No major issues. issues with beam instrumentations HTC. particle counter for mCBM still not connected. A lot of debugging of the optics for operation.  A question of where one can find FAIR TDR was asked by MS</p> <p><b>FRS status:</b> No presence</p> <p><b>ESR status:</b> <a href="https://indico.gsi.de/event/9880/contribution/12/material/slides/0.pdf">https://indico.gsi.de/event/9880/contribution/12/material/slides/0.pdf</a>  No major issues. Work in progress</p> <p><b>CRYRING status</b>  No major issues  Discussions regarding its vacuum status were carried out briefly. At the moment, the average level is 1e-7. All vacuum readings in principle are Logged and data can be accessed via website. These logged data are automatically deleted after half year in the past and could be 2 years now. Owner of the data is the IndustrialControls group led by Ms. Betz</p> <p>Frank commented that the lifetime of the highly charged uranium beam lifetime as function of the vacuum level is not fully known. Needs to be measured during this upcoming beam time</p> <p><b>PSU status:</b> <a href="http://indico.gsi.de/event/9880/contribution/0/material/slides/0.pdf">http://indico.gsi.de/event/9880/contribution/0/material/slides/0.pdf</a>  No major issues  <b>Action:</b> clarify the quality control for critical steps: UW/LG</p> <p><b>cw-LINAC status:</b> <a href="https://indico.gsi.de/event/9880/contribution/14/material/slides/0.pptx">https://indico.gsi.de/event/9880/contribution/14/material/slides/0.pptx</a>  Great progress made in the cavity cold test shortly before Xmas</p>	HV		
		MS		
		Markus Steck		
		FH		
		LG		
		WB		
<b>3</b>	<b>Discussion</b>			<b>All</b>
	<ul style="list-style-type: none"> <li>• Critical items</li> <li>• 3rd beam time retreat</li> </ul>			
<b>4</b>	<b>Open Action items</b>			
	1. FAIR Booster mode status: R. Baer, D. Ondreka (TBD)	Ralph Bär D. Ondreka		
	2. Provide a list of planned controls release and changes in 2020-2021 along with their potential impact and effect on the GSI existing facilities and systems such as beam instrumentation, power convertor etc	Ralph Bär		
	3. IQS archiving system: how it works and status	RH/Barbara		
	4. Postmortem report on the topic of current controls related issues, in particular the issue that blocked beam injection into SIS18 at the beginning of the Engineering Run <b>template can be found at</b> <a href="https://www.gsi.de/fileadmin/Beschleunigerbetrieb/PostMortemAnalysisReport_Template.docx">https://www.gsi.de/fileadmin/Beschleunigerbetrieb/PostMortemAnalysisReport_Template.docx</a>	Jens		
	5. work with the relevant technical groups, experts to develop the list of the critical systems/components with information of the existing status as well as the spare parts or other mitigation measures	All		
	<b>Any other business</b>			
	<ul style="list-style-type: none"> <li>• <b>Next Machine Meeting: January 21, 2020 - 14:00 - 15:30 Uhr</b></li> <li>1. Approval of meeting minutes</li> <li>2. Follow-up of action items</li> <li>3. Speed talk of upcoming physics experiments</li> <li>4. Status update</li> </ul>			